

VA Biomolecular Imaging Center

814-6000 Ext 3766

MU Animal Diagnostic Imaging SOP

Indicate study requested: Micro-PET _____ Micro-CT _____ Micro-SPECT _____

MU Principal Investigator: _____

MU Location of Animal Housing: _____

Provide the MU ACUC Protocol Number: _____

Provide the MU ACUC Approval Date: _____

Indicate the Health Status of the Animal (A-E): _____
{Health status "F" animals are not permitted in the VA-BIC at this time}

Indicate Known Biohazard Level (None, BSL1, BSL2): _____

Indicate origin of biohazard if known: _____
(i.e.: human cell line / viral vector / infectious agent / recombinant DNA)

Radiation Safety

MU animals will be administered radiopharmaceuticals with a half life of 2 hours or less. The MU Investigator or a trained technical person from the MU Investigator's lab will be responsible for administering the radiopharmaceutical at the VA. The person administering the radiopharmaceutical must have completed VA Radiation Safety Training prior to initiating the study. All MU employees handling radioactive materials must be in possession of appropriate radiation dosimetry monitoring devices prior to initiation of study.

Animal Welfare Oversight

The MU Investigator or a trained technical person from the MU Investigator's lab is required to be present for the entire imaging procedure including recovery of the animal from anesthesia. Transport of animals to and from the VA-BIC will occur in filter top cages.

Animals administered radiopharmaceuticals will be housed in F-017 for a period not to exceed 24 hours. Animals will be released back to the MU investigator when no detectable radiation levels above background are measured using a GM pancake probe style survey meter. It is the responsibility of the MU investigator to appropriately transport the animals to and from the VA-BIC according to the current MU policy on animal transport.

Laboratory and Equipment Decontamination

All laboratory areas and equipment involved in diagnostic animal imaging studies will be thoroughly decontaminated with an appropriate decontamination solution. MU animals imaged in the VA-BIC will be handled using the procedures outlined in the current Micro-CT Imaging SOP.

MU Principal Investigator

Director – MU Office of Animal Resources

